

INFORMATION DISCLOSURE CITATION  
BY APPLICANTApplicant  
Shek Fai Lau et al.Filing Date  
March 22, 2004Group Art Unit  
1724

## U.S. PATENTS

Examiner Initial	Potential Number	Issue Date	Name	Class	Subclass	Filing Date
SA	1,791,338 A	2/3/1931	Wintermute			4/12/1927
	1,869,335 A	7/26/1932	Day			12/13/1926
	2,327,588 A	8/24/1943	Bennett			6/1/1940
	2,359,057 A	9/26/1944	Skinner			2/28/1942
	2,509,548 A	5/30/1950	White			5/27/1948
	2,949,550 A	8/16/1960	Brown			7/3/1957
	3,018,394 A	1/23/1962	Brown			7/3/1957
	3,026,964 A	3/27/1962	Penney			5/6/1959
	3,518,462 A	6/30/1970	Brown			8/21/1967
	3,581,470 A	6/1/1971	Aitkenhead et al.			12/30/1969
	3,638,058 A	1/25/1972	Fritzius			6/8/1970
	3,744,216 A	7/10/1973	Halloran			8/7/1970
	3,981,695 A	9/21/1976	Fuchs			11/2/1973
	3,984,215 A	10/5/1976	Zucker			1/8/1975
	4,052,177 A	10/4/1977	Kide			3/1/1976
	4,092,134 A	5/30/1978	Kikuchi			6/3/1976
	4,138,233 A	2/6/1979	Masuda			6/16/1977
	4,209,306 A	6/24/1980	Feldman et al.			11/13/1978
	4,227,894 A	10/14/1980	Proynoff			10/10/1978
	4,231,766 A	11/4/1980	Spurgin			12/11/1978
	4,232,355 A	11/4/1980	Finger et al.			1/8/1979
	4,244,710 A	1/13/1981	Burger			5/9/1978
	4,244,712 A	1/13/1981	Tongret			3/5/1979
	4,253,852 A	3/3/1981	Adams			11/8/1979
	4,259,452 A	3/31/1981	Yukuta et al.			5/15/1979
	4,266,948 A	5/12/1981	Teague et al.			1/4/1980

<b>FORM PTO-1449</b> (Substitute)	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket Number <b>SHPR-01361USL</b>	Serial No. Division of 09/924,600
		Applicant <b>Shek Fai Lau et al.</b>	
		Filing Date <b>March 22, 2004</b>	Group Art Unit <b>1724</b>

**INFORMATION DISCLOSURE CITATION  
BY APPLICANT**

1a		4,282,014 A	8/4/1981	Winkler et al.		5/21/1979
		4,284,420 A	8/18/1981	Borysiak		8/27/1979
		4,318,718 A	3/9/1982	Utsumi et al.		7/14/1980
		4,342,571 A	8/3/1982	Hayashi		6/14/1978
		4,357,150 A	11/2/1982	Masuda et al.		2/5/1981
		4,386,395 A	5/31/1983	Francis, Jr.		12/19/1980
		4,413,225 A	11/1/1983	Donig et al.		7/17/1981
		4,445,911 A	5/1/1984	Lind		12/15/1981
		4,477,263 A	10/16/1984	Shaver et al.		6/28/1982
		4,496,375 A	11/29/1985	Le Vantine		6/14/1983
		4,502,002 A	2/26/1985	Ando		9/2/1982
		4,509,958 A	4/9/1985	Masuda et al.		10/8/1982
		4,516,991 A	5/14/1985	Kawashima		4/25/1982
		4,536,698 A	8/20/1985	Shevalenko et al.		8/25/1983
		4,587,475 A	5/6/1986	Finney, Jr. et al.		7/25/1983
		4,600,411 A	7/15/1986	Santamaria		4/6/1984
		4,601,733 A	7/22/1986	Ordines et al.		9/27/1984
		4,626,261 A	12/2/1986	Jorgensen		12/12/1985
		4,643,745 A	2/17/1987	Sakakibara et al.		12/17/1984
		4,659,342 A	4/21/1987	Lind		4/30/1984
		4,674,003 A	6/16/1987	Zylka		4/3/1985
		4,686,370 A	8/11/1987	Blach		2/13/1985
		4,689,056 A	8/25/1987	Noguchi et al.		8/29/1986
		4,694,376 A	9/15/1987	Gesslauer		9/26/1985
		4,713,093 A	12/15/1987	Hansson		7/8/1986
		4,713,724 A	12/15/1987	Voelkel		6/30/1986
		4,726,812 A	2/23/1988	Hirth		3/26/1987
		4,726,814 A	2/23/1988	Weitman		6/27/1986

**INFORMATION DISCLOSURE CITATION  
BY APPLICANT**

Applicant

Shek Fai Lau et al.

Filing Date

March 22, 2004

Group Art Unit

1724

4,772,297 A	9/20/1988	Anzai	8/19/1986
4,779,182 A	10/18/1988	Mickal et al.	6/24/1986
4,781,736 A	11/1/1988	Cheney et al.	11/20/1986
4,786,844 A	11/22/1988	Farrell et al.	3/30/1987
4,789,801 A	12/6/1988	Lee	4/3/1987
4,808,200 A	2/28/1989	Dallhammer et al.	11/12/1987
4,811,159 A	3/7/1989	Foster, Jr.	3/1/1988
4,940,470 A	7/10/1990	Jaisinghani et al.	3/23/1988
4,941,068 A	7/10/1990	Hofmann	8/1/1988
5,010,869 A	4/30/1991	Lee	8/11/1989
5,024,685 A	6/18/1991	Torok et al.	6/30/1988
Re. 33,927	5/19/1992	Fuzimura	9/15/1989
5,141,529 A	8/25/1992	Oakley et al.	6/28/1990
5,183,480 A	2/2/1993	Raterman et al.	10/28/1991
5,196,171 A	3/23/1993	Peltier	3/11/1991
5,215,558 A	6/1/1993	Moon	6/11/1991
5,217,504 A	6/8/1993	Johansson	3/20/1990
5,296,019 A	3/22/1994	Oakley et al.	8/24/1992
5,302,190 A	4/12/1994	Williams	6/8/1992
5,315,838 A	5/31/1994	Thompson	8/16/1993
5,316,741 A	5/31/1994	Sewell et al.	5/30/1991
5,378,978 A	1/3/1995	Gallo et al.	4/2/1993
5,437,713 A	8/1/1995	Chang	12/1/1994
5,484,472 A	1/16/1996	Weinberg	2/6/1995
5,484,472 C1	2/20/2001	Weinberg	2/6/1995
5,535,089 A	7/9/1996	Ford et al.	10/17/1994
5,578,112 A	11/26/1996	Krause	6/1/1995
5,601,636 A	2/11/1997	Glucksman	5/30/1995

<b>FORM PTO-1449</b> (Substitute)	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket Number <b>SHPR-01361USL</b>	Serial No. Division of 09/924,600
		Applicant Shek Fai Lau et al.	
		Filing Date March 22, 2004	Group Art Unit 1724

**INFORMATION DISCLOSURE CITATION  
 BY APPLICANT**

4		5,656,063 A	8/12/1997	Hsu		1/29/1996
		5,667,564 A	9/16/1997	Weinberg		8/14/1996
		5,669,963 A	9/23/1997	Horton et al.		12/26/1995
		5,698,164 A	12/16/1997	Kishioka et al.		3/30/1995
		5,702,507 A	12/30/1997	Wang		9/17/1996
		5,779,769 A	7/14/1998	Jiang		10/24/1995
		5,814,135 A	9/29/1998	Weinberg		9/15/1997
		5,879,435 A	3/9/1999	Satyapal et al.		1/6/1997
		5,893,977 A	4/13/1999	Pucci		5/12/1997
		5,911,957 A	6/15/1999	Khatchatrian et al.		10/23/1997
		5,972,076 A	10/26/1999	Nichols et al.		9/28/1998
		5,975,090 A	11/2/1999	Taylor et al.		9/29/1988
		5,997,619 A	12/7/1999	Knuth et al.		7/10/1998
		6,019,815 A	2/1/2000	Satyapal et al.		9/11/1998
		6,042,637 A	3/28/2000	Weinberg		9/28/1998
		6,063,168 A	5/16/2000	Nichols et al.		8/11/1997
		6,086,657 A	7/11/2000	Freije		2/16/1999
		6,118,645 A	9/12/2000	Partridge		4/6/1995
		6,126,722 A	10/3/2000	Mitchell et al.		7/28/1998
		6,126,727 A	10/3/2000	Lo		1/28/1999
		6,149,717 A	11/21/2000	Satyapal et al.		12/22/1998
		6,149,815 A	11/21/2000	Sauter		11/23/1999
		6,152,146 A	11/28/2000	Taylor et al.		6/25/1999
		6,163,098 A	12/19/2000	Taylor et al.		1/14/1999
		6,176,977 B1	1/23/2001	Taylor et al.		11/5/1998
		6,182,461 B1	2/6/2001	Washburn et al.		7/16/1999
		6,182,671 B1	6/6/2001	Taylor et al.		10/8/1999
12		6,193,852 B1	2/27/2001	Caracciolo et al.		5/28/1997

**INFORMATION DISCLOSURE CITATION  
BY APPLICANT**

Applicant  
Shek Fai Lau et al.

Filing Date  
March 22, 2004

Group Art Unit  
1724

12		6,212,883 B1	4/10/2001	Kang		3/3/2000
		6,228,149 B1	5/8/2001	Alenichev et al.		1/20/1999
		6,252,012 B1	6/26/2001	Egitto et al.		8/30/1999
		6,270,733 B1	8/7/2001	Rodden		2/17/2000
		6,277,248 B1	8/21/2001	Ishioka et al.		1/5/2000
		6,282,106 B2	8/28/2001	Grass		12/20/2000
		D449,097 S	10/9/2001	Smith et al.		5/1/2000
		6,302,944 B1	10/16/2001	Hoening		4/18/2000
		D449,679 S	10/23/2001	Smith et al.		5/1/2000
		6,309,514 B1	10/30/2001	Conrad et al.		11/7/1994
		6,312,507 B1	11/6/2001	Taylor et al.		2/12/1999
		6,315,821 B1	11/13/2001	Pillion et al.		1/11/2001
		6,328,791 B1	12/11/2001	Pillion et al.		5/3/2000
		6,348,103 B1	2/19/2002	Ahlborn et al.		4/3/1999
		6,350,417 B1	2/26/2002	Lau et al.		5/4/2000
		6,362,604 B1	3/26/2002	Cravey		9/28/1999
		6,372,097 B1	4/16/2002	Chen		4/14/2000
		6,373,723 B1	4/16/2002	Wallgren et al.		6/18/1999
		6,379,427 B1	4/30/2002	Siess		12/6/1999
		6,391,259 B1	5/21/2002	Malkin et al.		6/26/1997
		6,447,587 B1	9/10/2002	Pillion et al.		12/6/2001
		6,451,266 B1	9/17/2002	Lau et al.		9/25/2000
		6,464,754 B1	10/15/2002	Ford		2/29/2000
		6,471,753 B1	10/29/2002	Ahn et al.		10/29/2002
		6,504,308 B1	1/7/2003	Krichtafovitch et al.		10/14/1999
		6,544,485 B1	4/8/2003	Taylor		1/29/2001
		6,585,935 B1	7/1/2003	Taylor et al.		11/20/1998
Sh		6,588,434 B1	7/8/2003	Taylor et al.		7/2/2002

<b>FORM PTO-1449</b> (Substitute)	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket Number <b>SHPR-01361USL</b>	Serial No. Division of 09/924,600
			Applicant Shek Fai Lau et al.	
			Filing Date March 22, 2004	Group Art Unit 1724

**INFORMATION DISCLOSURE CITATION  
BY APPLICANT**

SA	6,603,268 B2	8/5/2003	Lee		12/22/2000
	6,613,277 B1	9/2/2003	Monagan		6/18/1999
	6,632,407 B1	10/14/2003	Lau et al.		9/25/2000
SA	6,672,315 B2	1/6/2004	Taylor et al.		12/19/2000

**U.S. PATENT PUBLICATIONS**

Examiner Initial	Patent Application Publication Number	Publication Date	Applicant
SA	2001/0004046 A1	6/21/2001	Taylor et al.
	2001/0048906 A1	12/6/2001	Lau et al.
	2002/0069760 A1	6/13/2002	Pruette et al.
	2002/0079212 A1	6/27/2002	Taylor et al.
	2002/0098131 A1	7/25/2002	Taylor et al.
	2002/0100488 A1	8/1/2002	Taylor et al.
	2002/0122751 A1	9/5/2002	Sinaiko et al.
	2002/0122752 A1	9/5/2002	Taylor et al.
	2002/0127156 A1	9/12/2002	Taylor
	2002/0134664 A1	9/26/2002	Taylor et al.
	2002/0134665 A1	9/26/2002	Taylor et al.
	2002/0141914 A1	10/3/2002	Lau et al.
	2002/0144601 A1	10/10/2002	Palestro et al.
	2002/0146356 A1	10/10/2002	Sinaiko et al.
	2002/0150520 A1	10/17/2002	Taylor et al.
	2002/0152890 A1	10/24/2002	Leiser
	2002/0155041 A1	10/24/2002	McKinney, Jr. et al.
	2002/0170435 A1	11/21/2002	Joannou
	2002/0190658 A1	12/19/2002	Lee
	2002/0195951 A1	12/26/2002	Lee
	2003/0005824 A1	1/9/2003	Katou et al.
SA	2003/0196887 A1	10/23/2003	Lau et al.

<b>FORM PTO-1449</b> (Substitute)	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket Number	Serial No.	
			SHPR-01361USL		Division of 09/924,600
			Applicant		Shek Fai Lau et al.
<b>INFORMATION DISCLOSURE CITATION BY APPLICANT</b>			Filing Date	Group Art Unit	
			March 22, 2004	1724	

<i>Sh</i>		2003/0206837 A1	11/6/2003	Taylor et al.
<i>Sh</i>		2003/0206839 A1	11/6/2003	Taylor et al.
<i>Sh</i>		2003/0206840 A1	11/6/2003	Taylor et al.

### PENDING U.S. PATENT APPLICATIONS

Examiner Initial		Application Number	Filing Date	Inventor	Petition to Expunge	
					Yes	No
<i>Sh</i>	1. *	10/278,193	10/21/2002	Reeves et al.		X
<i>Sh</i>	2. *	10/405,193	4/1/2003	Lee et al.		X

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Publication Date	Country	Translation	
					Yes	No
<i>Sh</i>		WO00/10713 A1	3/2/2000	International	✓	
<i>Sh</i>		WO01/47803 A1	7/5/2001	International	✓	
		WO01/48781 A1	7/5/2001	International	✓	
		WO01/64349 A1	9/7/2001	International	✓	
		WO01/85348 A2	11/15/2001	International	✓	
		WO02/20162 A2	3/14/2002	International	✓	
		WO02/20163 A2	3/14/2002	International	✓	
		WO02/30574 A1	4/18/2002	International	✓	
		WO02/32578 A1	4/25/2002	International	✓	
		WO02/42003 A1	5/30/2002	International	✓	
		WO02/066167 A1	8/29/2002	International	✓	
	3. *	WO03/009944 A1	2/6/2003	International	✓	
	4. *	WO03/013620 A1	2/20/2003	International	✓	
		EP 0433152 A1	12/10/1990	Europe	✓	
	5. *	CN 2111112 U	7/29/1972	China	✓	
		FR 2690509	10/29/1993	France	✓	
		JP 10137007	5/26/1998	Japan	✓	
		JP 11104223	4/20/1999	Japan	✓	
<i>Sh</i>		JP 2000236914	9/5/2000	Japan	✓	

<b>FORM PTO-1449</b> (Substitute)	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket Number <b>SHPR-01361USL</b>	Serial No. Division of 09/924,600
<b>INFORMATION DISCLOSURE CITATION BY APPLICANT</b>		Applicant Shek Fai Lau et al.	
		Filing Date March 22, 2004	Group Art Unit 1724

<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, etc.)	
<i>Se</i>	"Zenion Elf Device," drawing, prior art.
	Electrical schematic and promotional material available from Zenion Industries, 7 pages, August 1990.
	Promotional material available from Zenion Industries for the Plasma-Pure 100/200/300, 2 pages, August 1990.
	Promotional material available from Zenion Industries for the Plasma-Tron, 2 pages, August 1990.
<i>Se</i>	LENTEK Sila™ Plug-In Air Purifier/Deodorizer product box copyrighted 1999, 13 pages.
EXAMINER <i>Schaudy</i>	DATE CONSIDERED 1/12/04
EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
NonAsterisked Items: Copies not submitted because they were submitted in prior application 09/924,600, filed August 8, 2001, and relied upon under 35 USC §120.	